

Title: Assessing the potential for Construction Collaboration Technologies (CCTs) in Small to Medium sized Enterprises (SMEs) involved in project management in the Irish Construction Industry

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Purpose:

This research focused on the actual and potential use of Construction Collaboration Technologies (CCTs) in Small to Medium Enterprises (SMEs) for project management purposes. The adoption of CCTs has been posited as a solution to the poor levels of communication and information exchange between organisations in the construction process, the vast majority of who are SMEs.

Methodology:

The Literature Review included reference to a wide range of sources but the lack of literature relating to the use of CCTs by SMEs and the use of CCTs in the Irish Construction Industry was highlighted. The primary research concentrated on a case study of a construction project in Ireland where the lead project management responsibility and associated activities were being carried out by an SME without the use of CCT. This study included structured interviews with the relevant staff in the project management SME and also with the other SME stakeholder organisations involved in the project.

Findings:

A framework for the implementation of CCT in SMEs engaged in construction project management was developed. This framework took account of SMEs current use of ICT, their potential for adopting CCT and barriers to such adoption.

Keywords:

Construction Collaboration Technologies - CCTs, Small to Medium sized Enterprises - SMEs, Project Management

Classification: Information & Communication Technologies (ICT)